

National Functional Guidelines Report #03

Lab DATAAC(ALS Environmental) SDG F2C33 Case 43795 Contract EPW11037 Region 6 DDTID 183279 SOW SOM01.2

Data Review Reports

Blanks

| Blanks | BNA_SIM |
|--------|--|
| BLB8 | The following semivolatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL. |
| | F2C35, F2C39 |
| | Phenanthrene F2C35, F2C39 |

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Data Review Reports

Continuing Calibration Verification

| | |
|-------------------------------------|--|
| Continuing Calibration Verification | BNA |
| BC10 | The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ. |
| | F2C41, F2C43, F2C45, F2C47, F2C49, F2C51, F2C53, F2C56, F2C65, F2D51, F2D53, SBLK79, SBLK97 |
| | Pentachlorophenol SSTD020GW, SSTD020GX |
| | F2C41, F2C43, F2C45, F2C47, F2C49, F2C51, F2C53, F2C56, F2C65, F2D51, F2D53, SBLK79, SBLK97 |

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DMC/Surrogate

| DMC/Surrogate | BNA |
|---------------|--|
| BDSS14 | The following semivolatile samples have deuterated monitoring compound recovery above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified. |
| | F2D53 |
| | 4,6-Dinitro-2-methylphenol-d2 F2D53 |
| | 4,6-Dinitro-2-methylphenol |

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Detection Limit

| Detection Limit | BNA |
|-----------------|---|
| BDL1 | The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified. |
| | F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C45, F2C49, F2C51, F2C53, F2D49, F2D51, F2D53, SBLK06 |
| | Caprolactam F2C41, F2C43, F2C45, F2C49, F2C51, F2C53, F2D51, F2D53 |
| | Benzaldehyde F2C37, F2C39, F2C45, F2C49, F2D49, F2D51, F2D53, SBLK06 |
| | Phenol F2C33, F2C39, F2D53 |
| | Acetophenone F2C33, F2C35, F2C39, F2C45, F2D53 |
| | Dimethylphthalate F2C33, F2C39 |

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Detection Limit

| Detection Limit | BNA_SIM |
|-----------------|---|
| BDL1 | The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified. |
| | F2C33, F2C35, F2C39, F2D49, F2D51, F2D53, SBLK85 |
| | Phenanthrene F2C35, F2C39, SBLK85 |
| | Naphthalene F2C33, F2C39, F2D49, F2D51, F2D53 |
| | 2-Methylnaphthalene F2C33, F2C35, F2C39, F2D53 |

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Data Review Reports

Initial Calibration

| Initial Calibration | BNA |
|---------------------|---|
| BC5 | The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds. |
| | F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C45, F2C47, F2C49, F2C51, F2C53, F2C56, F2C65, F2D49, F2D51, F2D53, SBLK79, SBLK85, SBLK97 |
| | Pentachlorophenol SSTD020GL |
| | F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C45, F2C47, F2C49, F2C51, F2C53, F2C56, F2C65, F2D49, F2D51, F2D53, SBLK79, SBLK85, SBLK97 |

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Data Review Reports

Initial Calibration

| Initial Calibration | BNA_SIM |
|---------------------|---|
| BC15 | The following semivolatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. |
| | F2C45, F2C47, F2C56, F2C65, F2D53, SBLK79 |
| | Pentachlorophenol SSTD0.2DB, SSTD0.4DB |
| | F2C45, F2C47, F2C56, F2C65, F2D53, SBLK79 |
| Initial Calibration | BNA_SIM |
| BC5 | The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds. |
| | F2C45, F2C47, F2C56, F2C65, F2D53, SBLK79 |
| | Pentachlorophenol SSTD001DB |
| | F2C45, F2C47, F2C56, F2C65, F2D53, SBLK79 |

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Data Review Reports

TIC

| TIC | BNA |
|-------|--|
| BTIC1 | A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified. |
| | F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C45, F2C47, F2C49, F2C56, F2C59, F2C65, F2D49, F2D51, F2D53, SBLK06, SBLK79, SBLK85, SBLK97 |
| | 13-Docosenamide, (Z)- F2D53 |
| | Hexylene glycol F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C47, F2C49, F2C56, F2C59, F2C65, F2D49, F2D51, SBLK06, SBLK79, SBLK85, SBLK97 |
| | Hexadecanal, 2-methyl- F2C33, F2C45 |
| | Acetamide, 2,2-dichloro- F2D49, F2D51, F2D53 |
| TIC | BNA |
| BTIC2 | A library search indicates a match below 85% for a TIC compound in the semivolatile sample Detected compounds are qualified J. Nondetected compounds are not qualified. |
| | F2C33, F2C35, F2C37, F2C39, F2C41, F2C43, F2C45, F2C47, F2C49, F2C51, F2C53, F2C56, F2C59, F2C65, F2D49, F2D51, F2D53, SBLK79, SBLK85, SBLK97 |
| | Unknown 3,6,9,12-Tetraoxatetradecane-1,14-diyl dibenzoat F2C45 |
| | Unknown 2-Heptadecanone F2C49 |
| | Unknown Pyrazinoic acid F2C33 |
| | Unknown Phthalic acid, monoethyl ester F2C33, F2C41, F2D51, SBLK85 |
| | Unknown Isoindole-5-carboxylic acid, 1,3-dihydro-2-(3-am F2C41 |
| | Unknown 2-Hexadecanone F2C35 |
| | Unknown Dithianone F2C45 |
| | Unknown 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-1- F2C35, F2C45, F2C51 |
| | Unknown 16-Hentriacontanone F2D53 |
| | Unknown Phthalic acid, di(2-propylpentyl) ester F2C39 |
| | Unknown 1,5-Hexadiene, 3-methyl- F2C49 |
| | Unknown 1,2-Benzenedicarboxylic acid F2C39, F2C43, F2C45, F2C56, F2D53 |
| | Unknown Thioindigo F2C53 |
| | Unknown Stearic acid hydrazide F2C39, F2C49 |
| | Unknown 2-Propanone, (1-methylethylidene)hydrazone F2D51 |
| | Unknown Triacetin F2C41 |
| | Unknown Cyclopropane, pentachloro- F2D49, F2D51, F2D53 |
| | Unknown Hexylene glycol F2C45, F2C51 |

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TIC

| TIC | BNA |
|-----|--|
| | Unknown Propanoic acid, 3-(3-phenylthio-2-indolyl)- F2D51 |
| | Unknown 5-Hydroxy-4-methoxy-6H-indolo[3,2,1-de][1,5]naph F2D53 |
| | Unknown 1,3-Dichloro-4-fluorobenzene F2D53 |
| | Unknown 6-Chloro-2-methyl-4-phenyl-quinoline-3-carboxyli F2D49, F2D53 |
| | Unknown Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie F2C39 |
| | Unknown Acetonitrile, 2-(2H-tetrazol-2-yl)- F2D53 |
| | Unknown Propane, 1-bromo-3-chloro- F2D49, F2D53 |
| | Unknown Palmitic acid vinyl ester F2C33, F2C39, F2C45, F2D51, SBLK79 |
| | Unknown Pyrazinamide F2C37, F2C39, F2C47, F2D51 |
| | Unknown Phthalic anhydride F2C33, F2C35, F2C37, F2C43, F2C47, F2C49, F2C51, F2C53, F2D49, F2D51, F2D53, SBLK79, SBLK85 |
| | Unknown 2-Nonadecanone F2D53 |
| | Unknown 4-Hydroxy-3-nitropyridine N-oxide F2C65, SBLK97 |
| | Unknown Cyclopentasiloxane, decamethyl- F2C59 |
| | Unknown 2-Methyl-6-methoxy-1,5-naphthyridin-4-ol F2D49, F2D53 |
| | Unknown Propane, 2-bromo-1-chloro- F2D51 |